IAEA 60 Years
Atoms for Peace and Development

Benchmarking IAEA CIELO evaluations of n + ^{235,238}U

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IAEA CIELO evaluations: n + ^{235,238}U

^{235}U

- ENDF/B-VIII.β3 = ENDF/B-VIII.β2 (IAEA u238-b18)
- ENDF/B-VIII.β4 = IAEA u235-b36 … (prelim. STD)
- ENDF/B-VIII.postβ4 = IAEA u235-b46… (STD 2017)

^{238}U

- ENDF/B-VIII.β3 = ENDF/B-VIII.β2 (IAEA u238-b46)
- ENDF/B-VIII.β4 = IAEA u238-b51 … (prelim. STD)
- ENDF/B-VIII.postβ4 = IAEA u238-b58 … (STD 2017)

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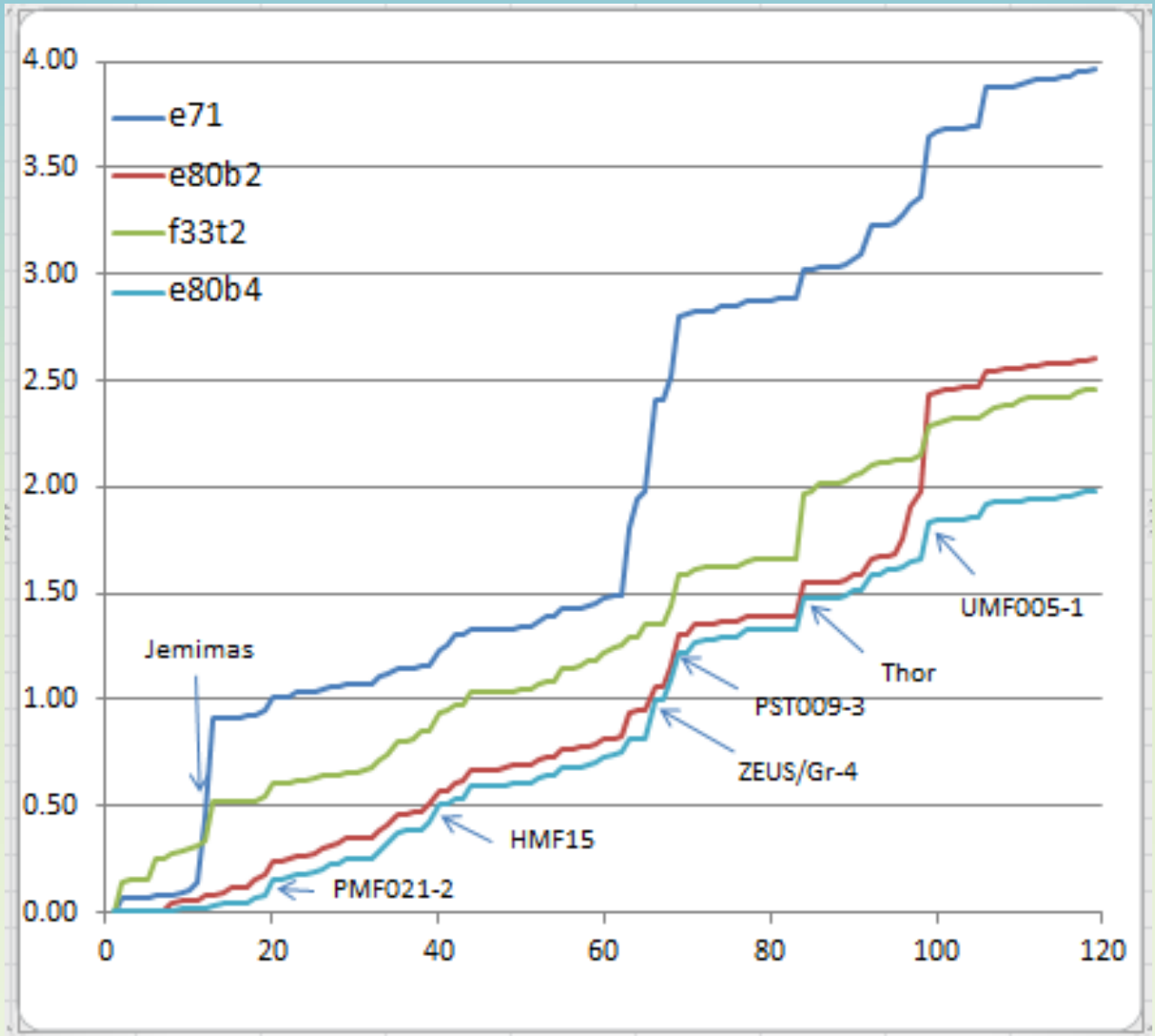
ENDF/B evals, LANL Mosteller suite

N=119



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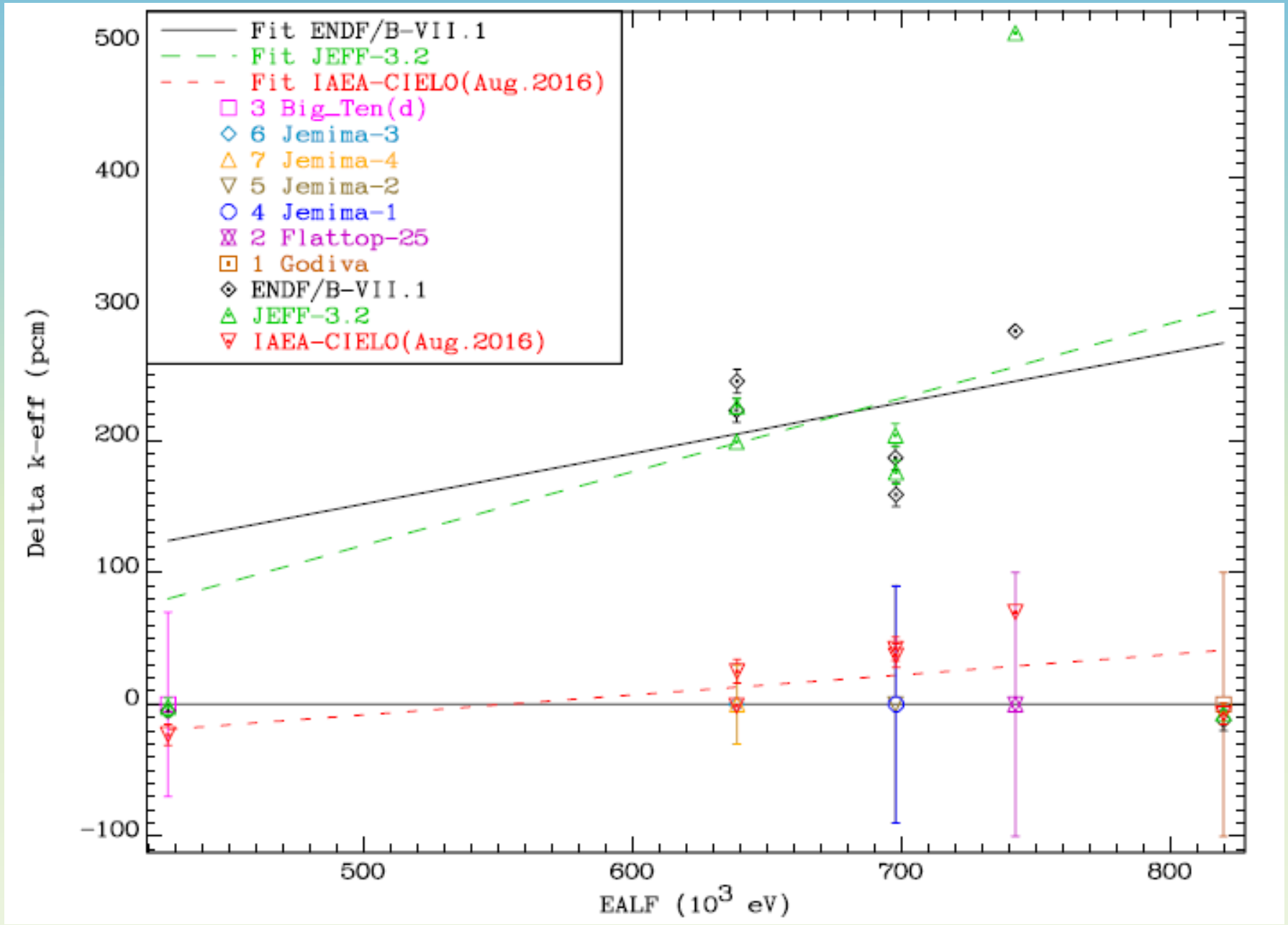

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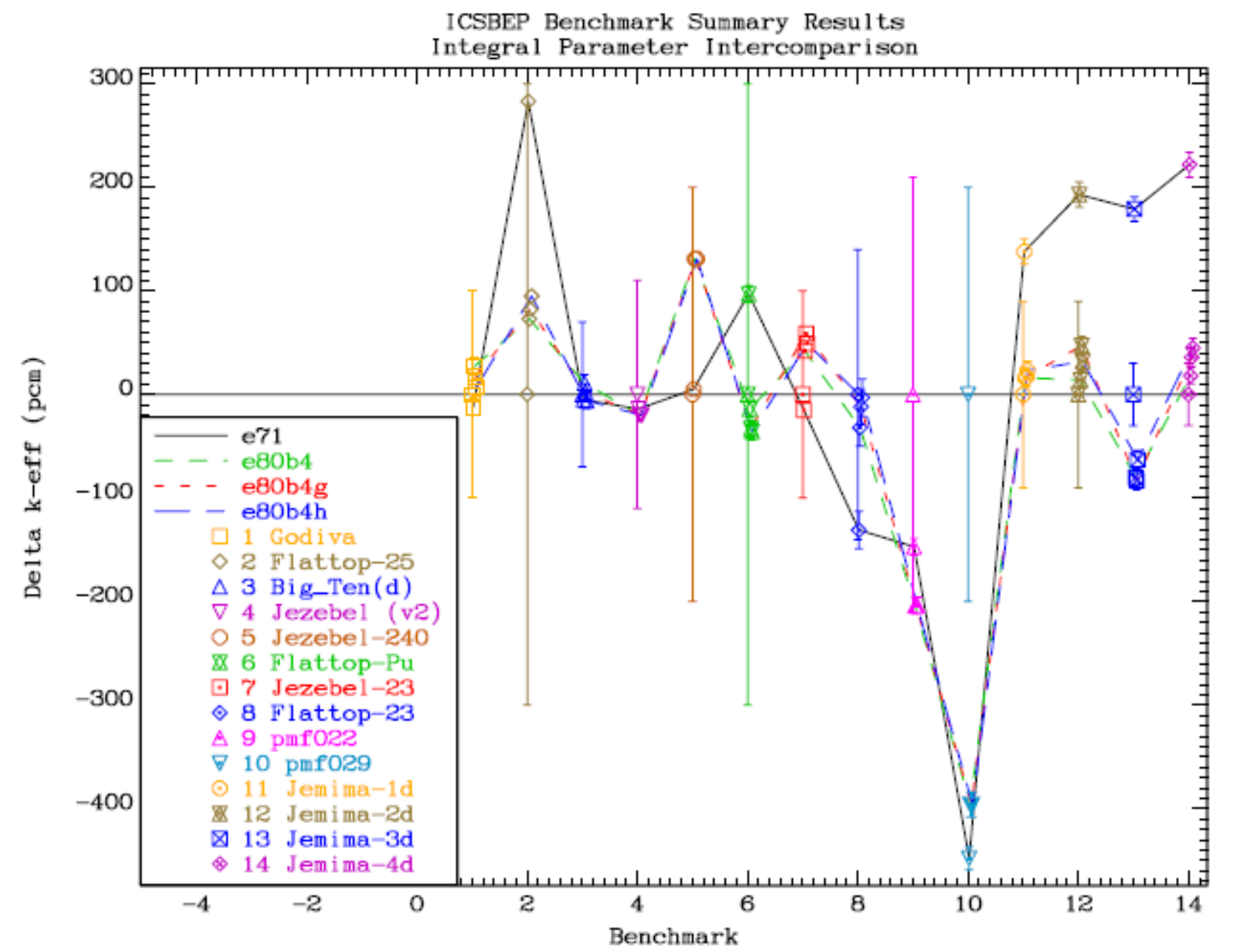

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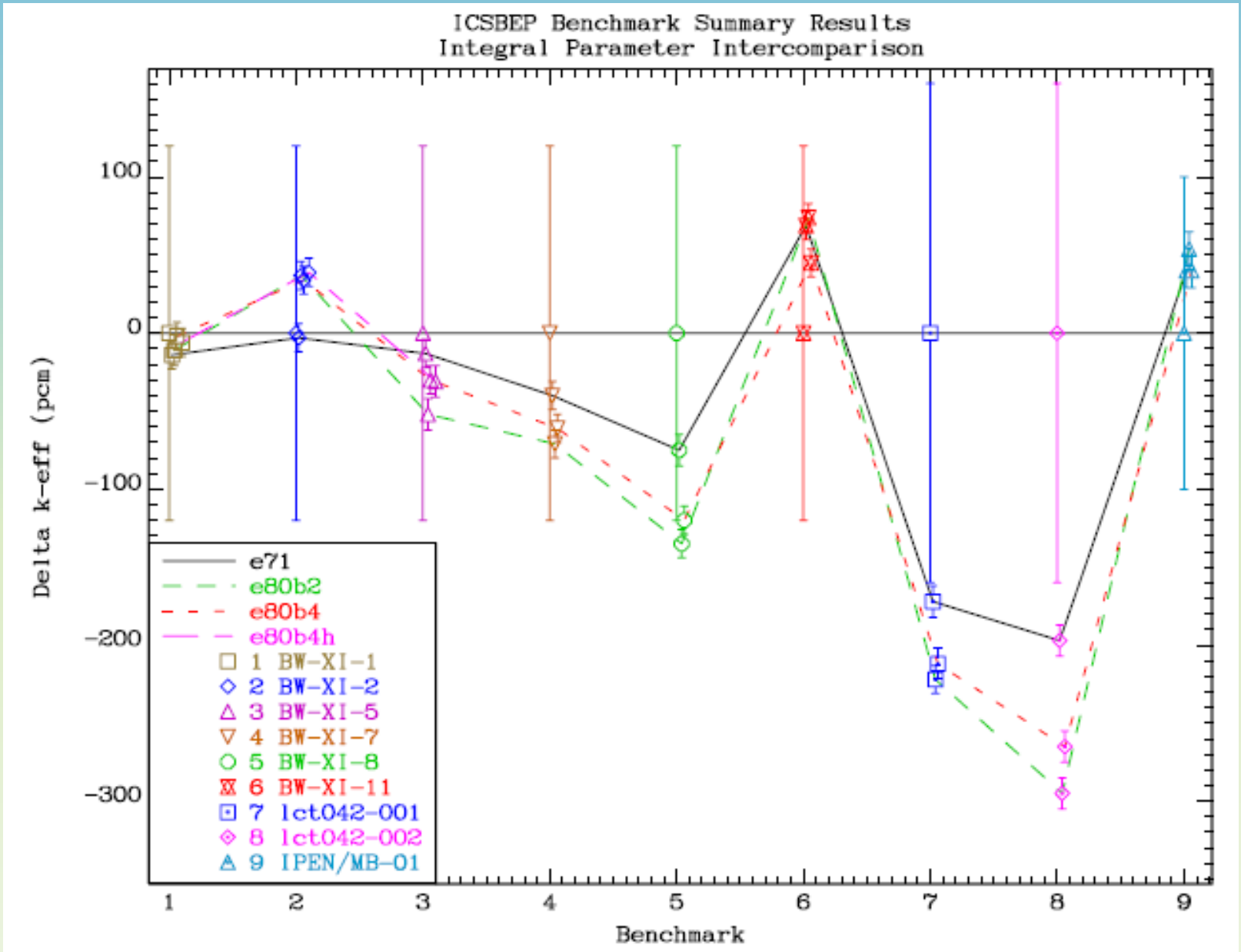

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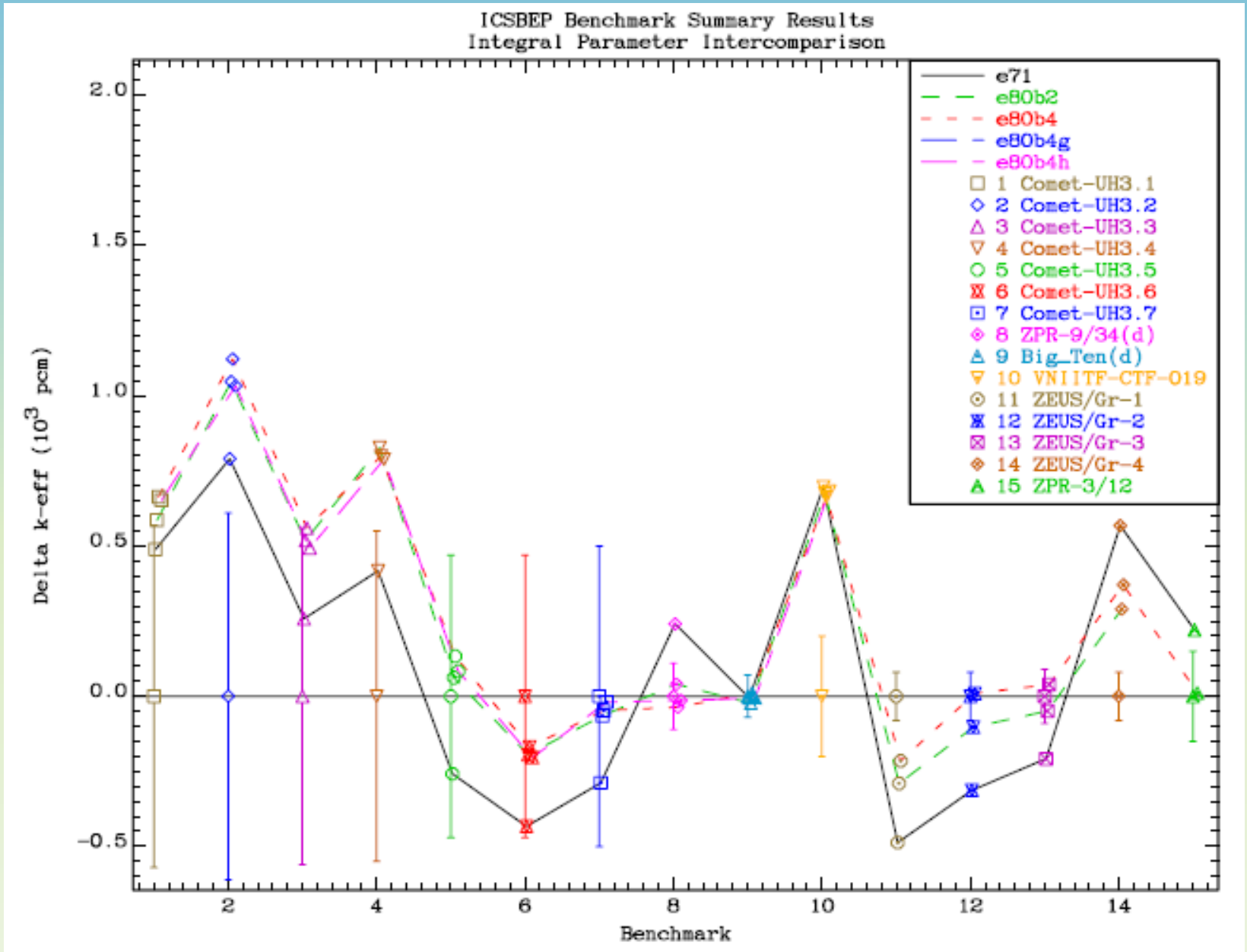

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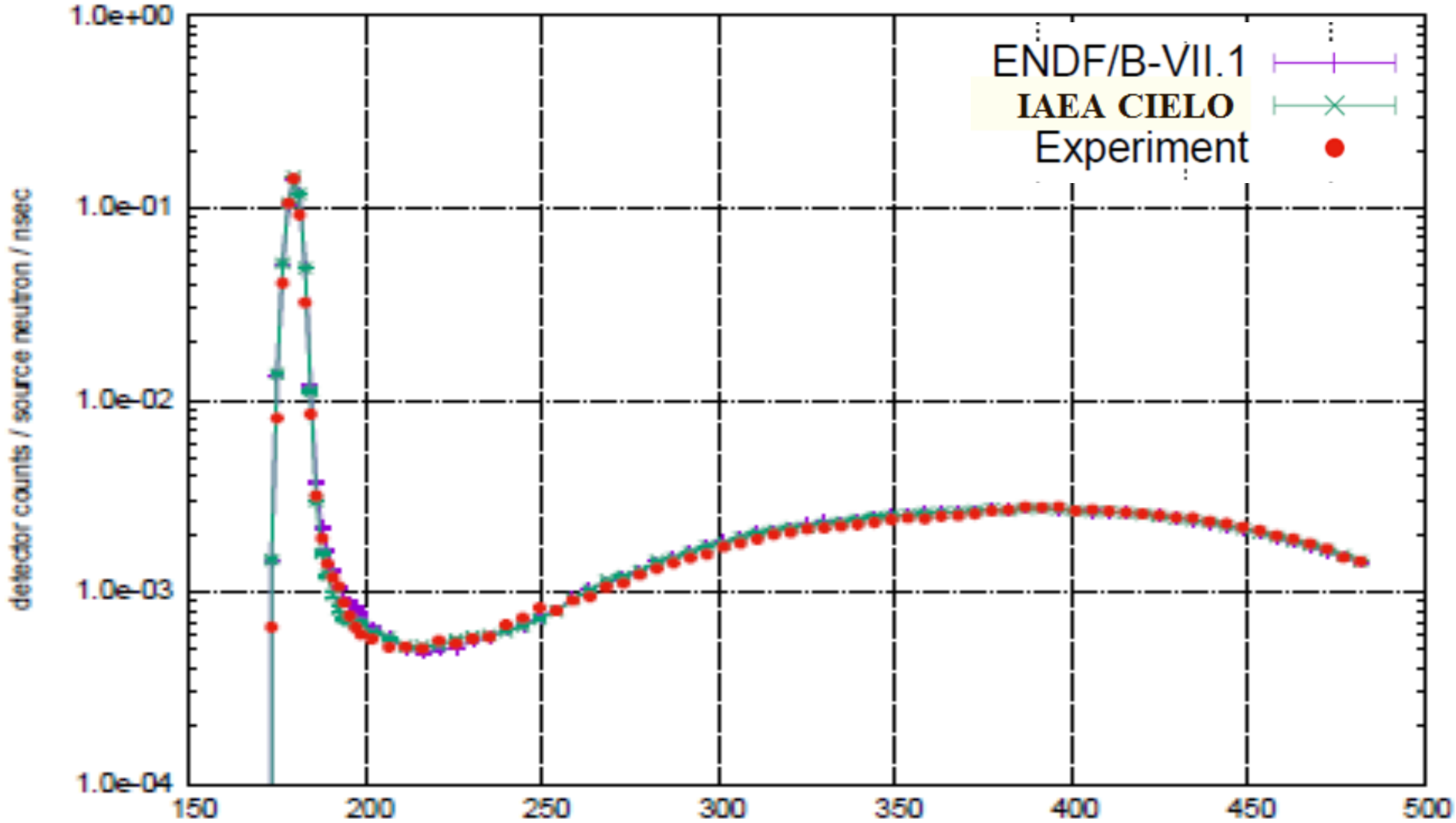
LLNL Pulsed Sphere (14MeV n + ^{235}U)



LLNL Pulsed Spheres calculations by B. Kiedrowski using MCNP

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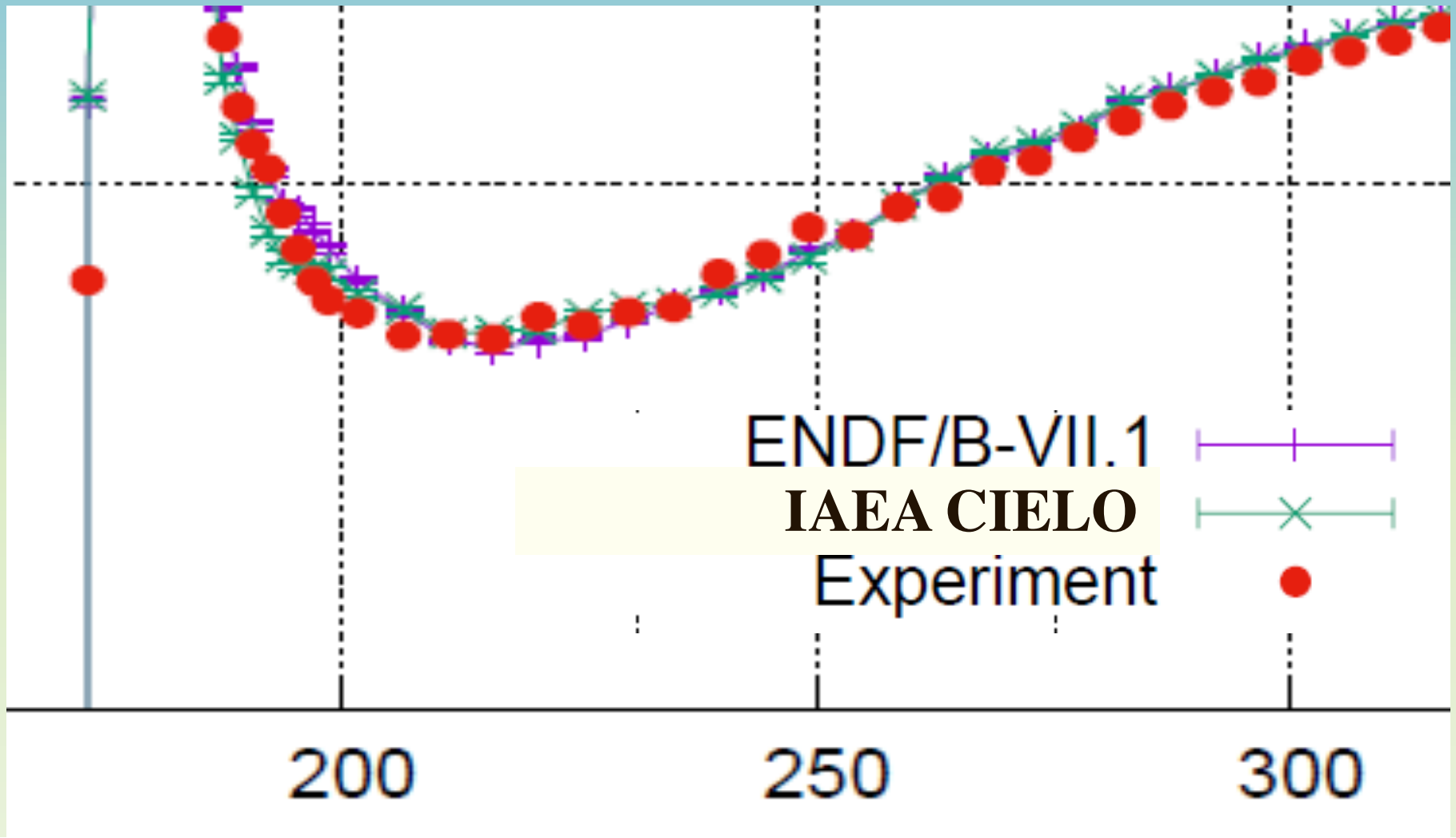

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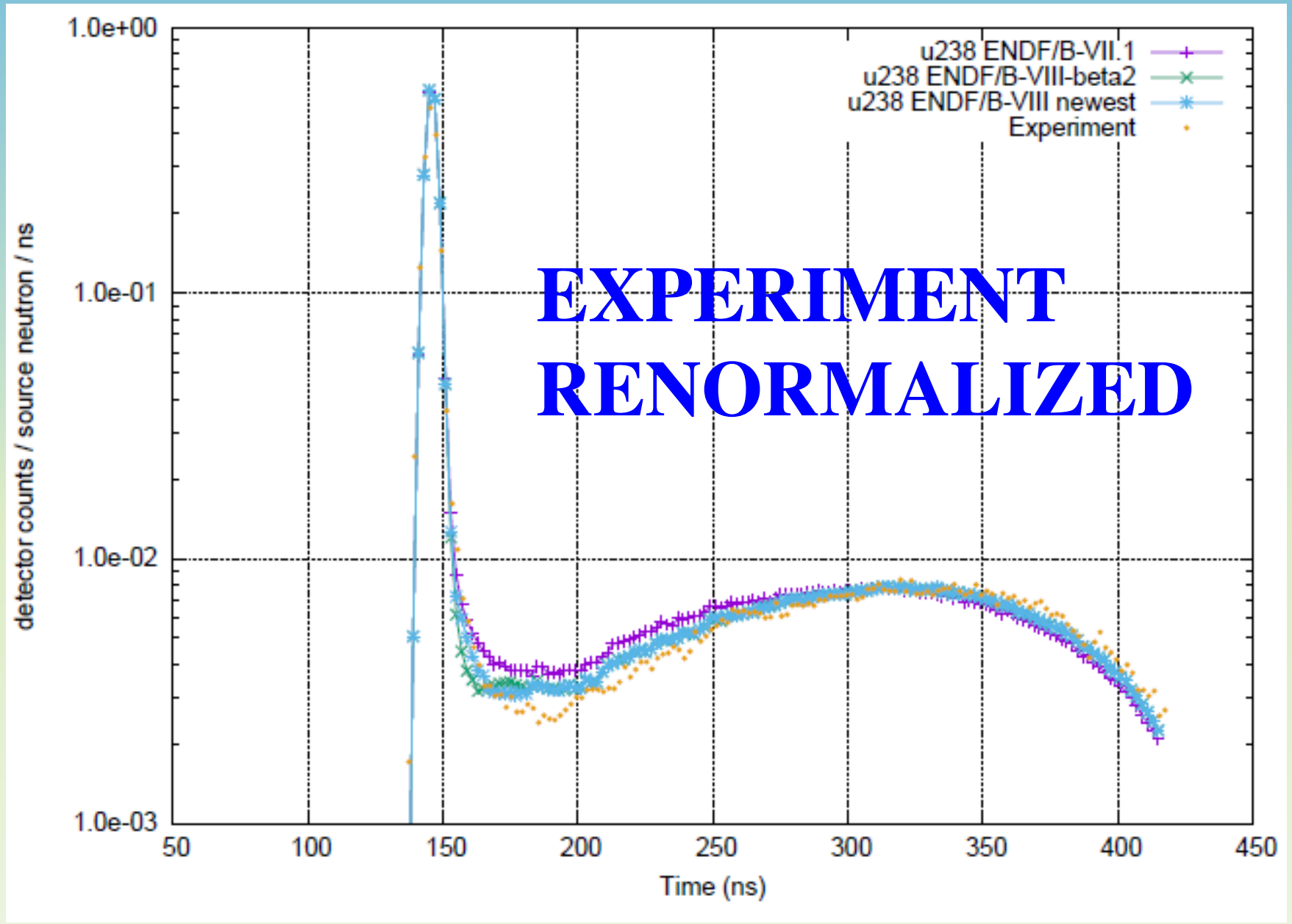

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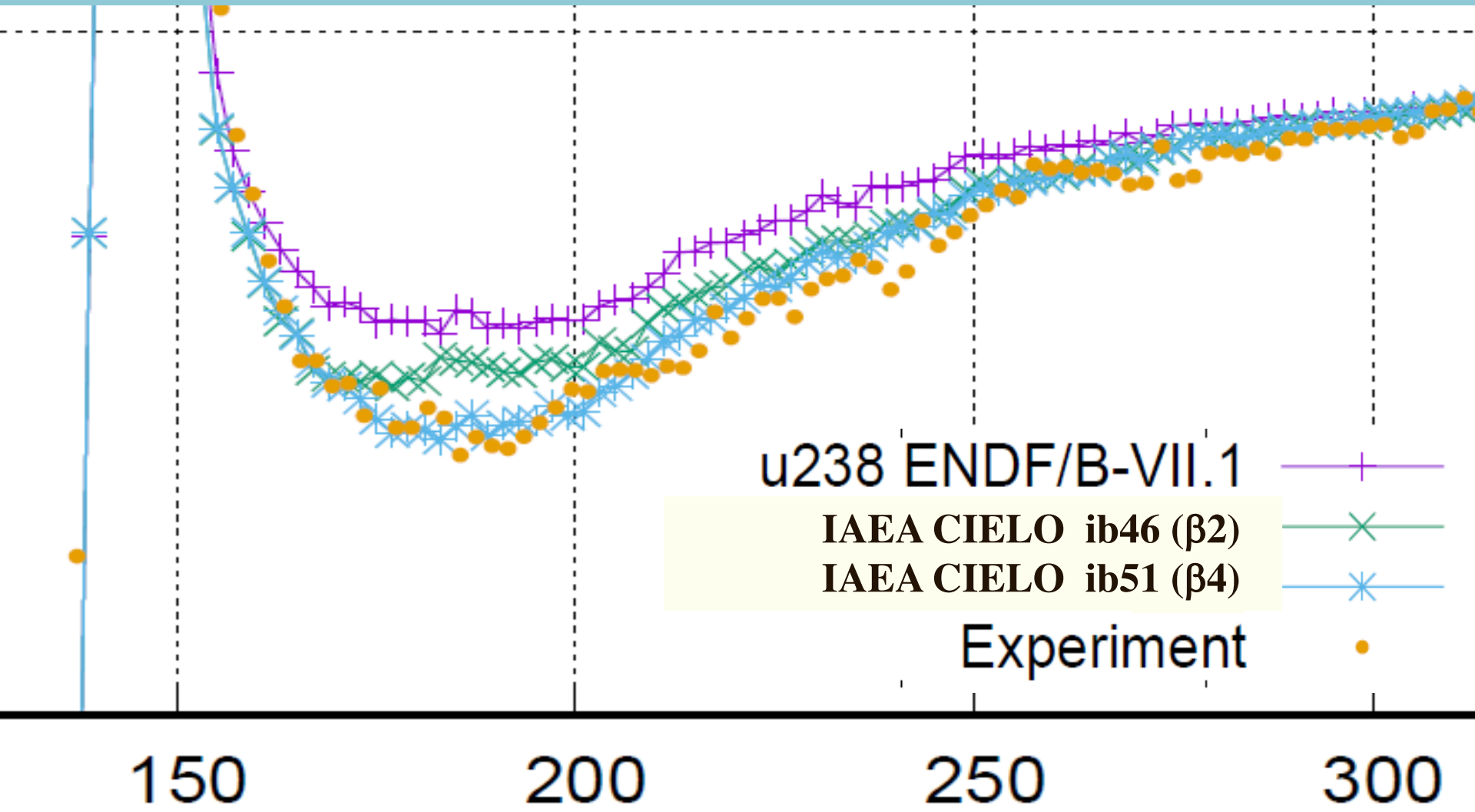

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Thanks !

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